IN THE CLAIMS

1 1. (Currently Amended) A method for managing memory in a computer system,

2 comprising:

3 for at least one memory page,

4 dividing the page into a plurality of relocation blocks, and

A1 5 placing the plurality of relocation blocks at a plurality of locations

6 including one or a plurality of memory systems; and

7 using a relocation table having a plurality of entries to locate the relocation

8 blocks at the plurality of locations;

9 wherein, upon a memory access,

10 using the relocation table to convert an address of the memory page

11 to a relocation address of a relocation block containing the

12 data intended for the memory access; and

13 if the data intended for the memory access is not in physical

14 memory, then loading, in physical memory, one or a

15 plurality of relocation blocks containing the data related to

16 the memory access.

1 2. (Original) The method of claim 1 further comprises the step of converting a virtual

2 address of the data to the address of the memory page.

1 3. (Original) The method of claim 1 further comprises the step of allocating the plurality

2 of relocation blocks corresponding to the memory page upon receiving the address

3 of the memory page.

1   4. (Original) The method of claim 3 further comprises the step of corresponding each

2   entry of the plurality of entries to a particular location of a relocation block.

1   5. (Currently Amended) A system for managing memory in a computer system,

2   comprising:

3   a plurality of relocation blocks located at a plurality of locations <u>including</u>

4   <u>one or a plurality of memory systems</u>; wherein a set of relocation

5   blocks is divided from a memory page;

6   a relocation table having a plurality of entries <u>that is</u> used to locate the

7   relocation blocks at the plurality of locations; and

8   ~~means for using the relocation table~~ to convert an address of the memory

9   page to a relocation address of a relocation block containing the

10   data intended for a memory access<u>; and</u>

11   <u>if the data intended for the memory access is not in physical memory, then</u>

12   <u>loading, in physical memory, one or a plurality of relocation blocks</u>

13   <u>containing the data related to the memory access</u>.

1   6. (Original) The system of claim 5 wherein the address of the memory page was

2   translated from a virtual address of the data.

1   7. (Original) The system of claim 5 further comprises means for allocating the plurality of

2   relocation blocks corresponding to the memory page upon receiving the address of

3   the memory page.

1   8. (Original) The system of claim 7 wherein each entry of the plurality of entries

2   corresponds to a particular location of a relocation block.

1 9. (Currently Amended) A computer-readable medium embodying instructions that cause

2   a computer to perform a method for managing memory in a computer system, the

3   method comprising the steps of:

4   for at least one memory page,

5   dividing the page into a plurality of relocation blocks, and

6   placing the plurality of relocation blocks at a plurality of locations

7   including one or a plurality of memory systems; and

8   using a relocation table having a plurality of entries to locate the relocation

9   blocks at the plurality of locations;

10   wherein, upon a memory access,

11   using the relocation table to convert an address of the memory page

12   to a relocation address of a relocation block containing the

13   data intended for the memory access; and

14   if the data intended for the memory access is not in physical

15   memory, then, loading, in physical memory, one or a

16   plurality relocation blocks containing the data related to the

17   memory access.

1 10. (Original) The computer-readable medium of claim 9 wherein the method further

2   comprises the step of converting a virtual address of the data to the address of the

3   memory page.

1 11. (Original) The computer-readable medium of claim 9 wherein the method further

2   comprises the step of allocating the plurality of relocation blocks

3   corresponding to the memory page upon receiving the address of the memory

4   page.

A1

1   12. (Original) The computer-readable medium of claim 11 wherein the method further

2   comprises the step of corresponding each entry of the plurality of entries to a

3   particular location of a relocation block.